

Claim(s)

What is claimed is:

1. An electronics system comprising:
  - a printed circuit board including a transmission line,
  - a semiconductor substrate mounted on said printed circuit board,
    - a first integrated circuit formed on a first surface of said semiconductor substrate,
    - a first electromagnetic coupler in electrical communication with said first integrated circuit, said first electromagnetic coupler spaced from said transmission line in sufficient proximity to said transmission line to be electromagnetically coupled to said transmission line, whereby data provided to said first electromagnetic coupler is contactlessly communicated to said transmission line,
    - a second integrated circuit formed on a second surface of said semiconductor substrate, and
    - a second electromagnetic coupler in electrical communication with said second integrated circuit, said second electromagnetic coupler spaced from said first electromagnetic coupler in sufficient proximity to said first electromagnetic coupler to be electromagnetically coupled to said first electromagnetic coupler, whereby data provided to said first electromagnetic coupler is contactlessly communicated to said second electromagnetic coupler.